

141190

U.S. ENVIRONMENTAL PROTECTION AGENCY  
REMEDIAL ACTIONADMINISTRATIVE RECORD  
FOR  
LENZ OIL SITE  
LEMONT, ILLINOISUPDATE #4  
SEPTEMBER 30, 1999

<u>NO.</u>	<u>DATE</u>	<u>AUTHOR</u>	<u>RECIPIENT</u>	<u>TITLE/DESCRIPTION</u>	<u>PAGES</u>
1	01/00/86	Wehran Engineering	IEPA	Summary Report of Sampling Activities at the Lenz Oil Site	42
2	01/17/86	IEPA	U.S. EPA	Record of Decision: Immediate Remedial Action Required for the Lenz Oil Site	3
3	00/00/87	Hinchee, R. & H. Reisinger		Journal Article: A Practical Application of Multiphase Transport Theory to Ground Water Contamination Problems (Groundwater Monitoring Review: Winter 1987)	9
4	01/16/87	IEPA	U.S. EPA	Record of Decison Addendum for the Lenz Oil Site	8
5	10/02/87	U.S. EPA	File	Hazardous Ranking System Scoring Package for the Lenz Oil Site	34
6	00/00/89	Abdul, A., et al.		Journal Article: Limit- ations of Monitoring Wells for the Detection and Quantification of Petro- leum Products in Soils and Aquifers (Groundwater Monitoring Review: Spring 1989)	10
7	00/00/89	Nyer, E. & G. Skladany		Journal Article: Relating the Physical and Chemical Properties of Petroleum Hydrocarbons to Soil and Aquifer Remediation (Groundwater Monitoring Review: Winter 1989)	6

<u>NO.</u>	<u>DATE</u>	<u>AUTHOR</u>	<u>RECIPIENT</u>	<u>TITLE/DESCRIPTION</u>	<u>PAGES</u>
8	00/00/89	Testa, S. & M. Paczkowski		Journal Article: Volume <i>Determination and Recov- erability of Free Hydro- carbon</i> (Groundwater Monitoring Review: Winter 1989)	9
9	05/16/89	U.S. EPA	U.S. EPA	Compendium of CERCLA Response Selection Guidance Documents (HIGHLIGHTED DOCUMENTS INCORPORATED BY REFERENCE INTO THE ADMINISTRATIVE RECORD)	12
10	09/29/89	U.S. EPA	Respondents	<i>Administrative Order by Consent re: the RI/FS for the Lenz Oil Site w/ Attached Cover Letter to IEPA</i>	83
11	10/00/89	U.S. EPA	File	National Priorities List: June 1988 Conditions at Listing and August 1989 Status for the Lenz Oil Site	1
12	01/22/90	ERM-North Central, Inc.	U.S. EPA	<i>Health and Safety Plan for the Lenz Oil Site</i>	94
13	02/23/90	U.S. EPA	Respondents	<i>Amendment to Administra- tive Order by Consent re: the RI/FS for the Lenz Oil Site</i>	3
14	06/19/90	Venkateswar, R., Ebasco Services, Inc.	Ball, R., ERM-North Central, Inc.	Letter re: Ebasco's Response to U.S. EPA's Comments on the <i>RI/FS Work Plan</i> and Soil Samp- ling and Analyses for the Lenz Oil Site	6
15	06/29/90	Furse, M; Katten, Muchin & Zavis	Gowda, N., U.S. EPA	Letter re: U.S. EPA's Disapproval of the Proposed <i>RI/FS Work Plan</i> for the Lenz Oil Site	2
16	07/25/90	Niedergang, N., U.S. EPA	Furse, M., Katten, Muchin & Zavis/ W. Child, IEPA	Letter re: the <i>RI/FS Work Plan</i> for the Lenz Oil Site	1

<u>NO.</u>	<u>DATE</u>	<u>AUTHOR</u>	<u>RECIPIENT</u>	<u>TITLE/DESCRIPTION</u>	<u>PAGES</u>
17	11/00/90	U.S. EPA	Public	Fact Sheet: <i>Superfund Study Begins</i> for the Lenz Oil Service Site	4
18	11/12/90	ERM-North Central, Inc.	U.S. EPA	<i>Sampling and Analysis Plan (Revision 3)</i> for the Lenz Oil Site	81
19	11/12/90	ERM-North Central, Inc.	U.S. EPA	<i>RI/FS Quality Assurance Project Plan (Revision 3)</i> for the Lenz Oil Site	256
20	11/14/90	B&V Waste Science & Technology, Inc.	U.S. EPA	Final Community Relation Plan for the Lenz Oil Site	25
21	00/00/91	Ostendorf, D., et al.		Journal Article: Field Sampling of Residual Aviation Gasoline in Sandy Soil (Groundwater Monitoring Review: Spring 1991)	11
22	02/11/91	Gowda, N., U.S. EPA	Imse, J., ERM-North Central, Inc.	Letter re: Soil Sampling at Location SB-22 at the Lenz Oil Site	2
23	02/21/91	Gowda, N., U.S. EPA	Imse, J., ERM-North Central, Inc.	Letter re: Installation of New Monitoring Wells at the Lenz Oil Site	2
24	04/30/91	Gowda, N., U.S. EPA	Furse, M.; Katten, Muchin & Zavis	Letter re: Proposed Relocation of Monitoring Well Cluster MW-02 at the Lenz Oil Site	2
25	05/22/91	Gowda, N., U.S. EPA	Imse, J., ERM-North Central, Inc.	Letter re: U.S. EPA's Approval of the May 2, 1991 <i>Technical Memoranda No. 1 (Description of Current Situation Report)</i> and <i>No.2 (Soil Gas Investigation)</i> for the Lenz Oil Site	1
26	09/05/91	Gowda, N., U.S. EPA	Imse, J., ERM-North Central, Inc.	Letter re: U.S. EPA's Comments on <i>Technical Memorandum 3A</i> and the <i>Phase II Work Plan- Part A</i> for the Lenz Oil Site	2

<u>NO.</u>	<u>DATE</u>	<u>AUTHOR</u>	<u>RECIPIENT</u>	<u>TITLE/DESCRIPTION</u>	<u>PAGES</u>
27	09/05/91	Gowda, N., U.S. EPA	Imse, J., ERM-North Central, Inc.	Letter re: U.S. EPA's Comments on <i>Technical Memorandum 3B</i> and the <i>Phase IIB Work Plan</i> for the Lenz Oil Site	3
28	09/09/91	Gowda, N., U.S. EPA	Furse, M.; Katten, Muchin & Zavis	Letter re: U.S. EPA Preparation of the <i>Risk Assessment</i> for the Lenz Oil Site	1
29	09/19/91	Gowda, N., U.S. EPA	Furse, M.; Katten, Muchin & Zavis	Letter re: <i>Technical Memorandum #3</i> and the <i>Phase II Work Plan</i> for the Lenz Oil Site	2
30	09/25/91	Niebergall, K., IEPA	Gowda, N., U.S. EPA	Letter: IEPA's Notice of Dispute Concerning Additional Sampling Requirements on the <i>Technical Memorandum 3B</i> and <i>Phase II Work Plan (Part B)</i> for the Lenz Oil Site	1
31	11/00/91	U.S. EPA/ OSWER	U.S. EPA	Quick Reference Fact Sheet: <i>A Guide to Prin- cipal Threat and Low Level Threat Wastes</i> (Superfund Publication 9380.3-06FS)	4
32	12/24/91	Fitzgerald, T., IEPA	Furse, M.; Katten, Muchin & Zavis	Letter: IEPA's Response to U.S. EPA's Comments on the <i>Phase IIB RI/FS Work Plan</i> for the Lenz Oil Site	2
33	12/26/91	Furse, M.; Katten, Muchin & Zavis	Gowda, N., U.S. EPA	Letter re: Respondents' Notice of Dispute Concern- ing the <i>Phase II Work Plan (Part B)</i> for the Lenz Oil Site	2
34	12/30/91	ERM-North Central, Inc.	U.S. EPA	<i>Phase II Work Plan - Part A (Revision 2)</i> for the Lenz Oil Site	30
35	12/30/91	ERM-North Central, Inc.	U.S. EPA	<i>RI/FS Quality Assurance Project Plan Addendum (Revision 1)</i> for the Lenz Oil Site	614

<u>NO.</u>	<u>DATE</u>	<u>AUTHOR</u>	<u>RECIPIENT</u>	<u>TITLE/DESCRIPTION</u>	<u>PAGES</u>
36	00/00/92	Cohen, R., et al.		Journal Article: Eval- uation of Visual Methods to Detect NAPL in Soil and Water (Groundwater Monitoring Review: Fall 1992)	5
37	00/00/92	Abdul, A.		Journal Article: A New Pumping Strategy for Petroleum Product Re- covery from Contaminated Hydrogeologic Systems: Laboratory and Field Evaluations (Groundwater Monitoring Review: Winter 1992)	10
38	01/15/92	Venkateswar, R., Ebasco Services, Inc.	Gowda, N., U.S. EPA	Cover Letter Forwarding Technical Memorandum II B (Revision #2) for the Lenz Oil Site	1
39	08/20/92	Fitzgerald, T., IEPA	Gowda, N., U.S. EPA	Letter: IEPA's Draft Comments on the RI Report for the Lenz Oil Site	1
40	09/15/92	Gowda, N., U.S. EPA	Imse, J., ERM-North Central, Inc.	Letter re: U.S. EPA's Disapproval of the Draft Remedial Investigation Report for the Lenz Oil Site	1
41	09/18/92	Fitzgerald, T., IEPA	Gowda, N., U.S. EPA	Letter re: Illinois ARARs for the Lenz Oil Site	1
42	10/08/92	Gowda, N., U.S. EPA	Imse, J., ERM-North Central, Inc.	Letter re: U.S. EPA/ IEPA's Comments on the Alternatives Array Docu- ment for the Lenz Oil Site	7
43	10/23/92	Edwards, D., ERM-North Central, Inc.	Gowda, N., U.S. EPA	Letter: ERM's Comments on the Baseline Risk Assessment for the Lenz Oil Site	17
44	12/08/92	Bolen, W., U.S. EPA	Vagt, P., Warzyn, Inc.	Letter re: U.S. EPA's Second Disapproval Notice for the Draft Feasibility Study for the Lenz Oil Site	1

<u>NO.</u>	<u>DATE</u>	<u>AUTHOR</u>	<u>RECIPIENT</u>	<u>TITLE/DESCRIPTION</u>	<u>PAGES</u>
45	12/28/92	Tuggle, B., U.S. DOI/ Fish & Wildlife Service	Gowda, N., U.S. EPA	Letter: FWS' Comments on the <i>Draft Feasibility Study Report</i> for the Lenz Oil Site	1
46	05/00/93	U.S. EPA/ OERR/ORD	U.S. EPA	U.S. EPA Engineering Bulletin: <i>Solidification/ Stabilization of Organics and Inorganics</i> (EPA/540/ S-92/015)	14
47	12/02/93	Nolan, C., U.S. EPA	Bielawski, A., Sidley & Austin	Letter re: Issuance of U.S. EPA/IEPA Comments on the <i>Feasibility Study</i> for the Lenz Oil Site	1
48	02/14/94	Nolan, C., U.S. EPA	Bielawski, A., Sidley & Austin	Letter re. U.S. EPA/ IEPA's Comments on the <i>Disapproved Feasibility Study</i> for the Lenz Oil Site	11
49	03/07/94	Bielawski, A.; Sidley & Austin	Brasher, C., U.S. EPA	Letter re: the NAPL Investigation at the Lenz Oil Site	4
50	03/17/94	Bernstein, E.; Sidley & Austin	Brasher, C., U.S. EPA	Letter re: Proposal for Additional Work for NAPL Contamination at the Lenz Oil Site	2
51	04/21/94	Bernstein, E.; Sidley & Austin	Brasher, C., U.S. EPA	Letter re: <i>Work Plan</i> for NAPL Contamination at the Lenz Oil Site	2
52	05/05/94	Bernstein, E.; Sidley & Austin	Brasher, C., U.S. EPA	Letter re: <i>Revised Work Plan</i> for NAPL Contamination at the Lenz Oil Site	2
53	05/24/94	Bernstein, E.; Sidley & Austin	Brasher, C., U.S. EPA	Letter re: Revised Pages for the <i>Work Plan</i> for NAPL Contamination at the Lenz Oil Site	2
54	06/09/94	Bernstein, E.; Sidley & Austin	Brasher, C., U.S. EPA	Letter re: Revised Pages for the <i>Work Plan</i> for NAPL Contamination at the Lenz Oil Site	2

<u>NO.</u>	<u>DATE</u>	<u>AUTHOR</u>	<u>RECIPIENT</u>	<u>TITLE/DESCRIPTION</u>	<u>PAGES</u>
55	06/09/94	ERM-North Central, Inc.	U.S. EPA	<i>Field Sampling Plan: Addendum A (Light Non- Aqueous Phase Liquid Evaluation) for the Lenz Oil Site</i>	8
56	06/27/94	Millano, E., ERM-North Central, Inc.	Brasher, C., U.S. EPA	Cover Letter Forwarding the June 27, 1994 Adden- dum A: <i>Light Non-Aqueous Phase Liquid Evaluation, Field Sampling Plan</i> for the Lenz Oil Site	1
57	06/27/94	ERM-North Central, Inc.	U.S. EPA	<i>Field Sampling Plan: Addendum A (Light Non- Aqueous Phase Liquid Evaluation) [Revision 4] for the Lenz Oil Site</i>	293
58	06/30/94	Millano, E., ERM-North Central, Inc.	Brasher, C., U.S. EPA	Cover Memorandum Forward- ing the <i>Quality Assurance Project Plan</i> and the <i>QAPP Addendum</i> for the Lenz Oil Site	1
59	06/30/94	Willman, G., IEPA	Brasher, C., U.S. EPA	Letter: IEPA's Approval of the June 27, 1994 <i>Addendum A (Light Non- Aqueous Phase Liquid Evaluation)</i> to the <i>Field Sampling Plan (Revision #4)</i> for the Lenz Oil Site	1
60	07/06/94	Tierney, M., U.S. EPA	Bielawski, A., <i>Sidley &amp; Austin</i>	Letter re: U.S. EPA's Approval of the June 27, 1994 <i>Field Sampling Plan Addendum</i> for the Lenz Oil Site	3
61	07/07/94	Tierney, M., U.S. EPA	Bielawski, A.; <i>Sidley &amp; Austin</i>	Letter re: Change in U.S. EPA Project Manager for the Lenz Oil Site	1
62	07/12/94	Tierney, M., U.S. EPA	File	Memorandum re: <i>QAPP Addendum</i> for Additional NAPL and Soil Sampling for the Lenz Oil Site	2

<u>NO.</u>	<u>DATE</u>	<u>AUTHOR</u>	<u>RECIPIENT</u>	<u>TITLE/DESCRIPTION</u>	<u>PAGES</u>
63	07/26/94	Horn, S., State of Illinois/ Environmental Control Division	Hers(c)h, S., U.S. EPA	Letter re: "Groundwater Costs" at the Lenz Oil Site	2
64	07/26/94	Millano, E., ERM-North Central, Inc.	Tierney, M., U.S. EPA	Memorandum: the Quality Assurance Project Plan Addendum for the Lenz Oil Site	1
65	07/27/94	Michlewicz, K., Quanterra Environmental Services	Staley, S., ERM-North Central, Inc.	Letter re: Formation of Quanterra Laboratories	1
66	08/18/94	Harris, W., U.S. EPA/ Quality Assurance Section	Bowden, R., U.S. EPA	Memorandum: QAS' Final Approval of the First Revision Quality Assur- ance Project Plan for the PRP-Lead RI Oversight Sampling Activities at the Lenz Oil Site	1
67	08/18/94	Tierney, M., U.S. EPA	File	Memorandum: Methodology for GC Fingerprinting Analysis for the Lenz Oil Site	4
68	10/13/94	Peterson, D., ERM-North Central, Inc.	Tierney, M., U.S. EPA & J. Chitwood, Black & Veatch	Memorandum re: Procedures for Splitting NAPL Samples with B&V for the Lenz Oil Site	1
69	10/18/94	Tierney, M., U.S. EPA	Millano, E., ERM-North Central; Inc.	Letter re: Submittal of Monthly Progress Reports for the Lenz Oil Site	2
70	10/21/94	Millano, E., ERM-North Central, Inc.	Tierney, M., U.S. EPA	Memorandum re: NAPL Laboratory Analysis for the Lenz Oil Site	1



<u>NO.</u>	<u>DATE</u>	<u>AUTHOR</u>	<u>RECIPIENT</u>	<u>TITLE/DESCRIPTION</u>	<u>PAGES</u>
71	12/08/94	Tierney, M., U.S. EPA	Millano, E., ERM-North Central, Inc.	Letter re: Schedule for Submittal of Technical Memorandum #4 and Revised Feasibility Study for the Lenz Oil Site w/ Attached November 22, 1994 U.S. EPA Letter	4
72	01/18/95	Millano, E., ERM-North Central, Inc.	Tierney, M., U.S. EPA	Cover Letter Forwarding Technical Memorandum #4: Light Nonaqueous Phase Liquid Investigation for the Lenz Oil Site	1
73	01/24/95	ERM-North Central, Inc.	U.S. EPA	ERM's Comments on the March 25, 1993 Baseline Risk Assessment Report for the Lenz Oil Site	45
74	02/15/95	Tierney, M., U.S. EPA	Imse, J., ERM-North Central, Inc.	Letter re: U.S. EPA's Comments on the January 18, 1995 Technical Memo- randum #4 for the Lenz Oil Site	5
75	02/17/95	Imse, J., ERM-North Central, Inc.	Tierney, M., U.S. EPA	Letter re: Feasibility Study Schedule for the Lenz Oil Site	3
76	02/22/95	Tierney, M., U.S. EPA	Imse, J., ERM-North Central, Inc.	Letter re: Proposed Remedial Alternatives for the Lenz Oil Site	3
77	02/24/95	Imse, J., ERM-North Central,	Tierney, M., U.S. EPA	Letter re: Revisions to the Feasibility Study for the Lenz Oil Site	2

<u>NO.</u>	<u>DATE</u>	<u>AUTHOR</u>	<u>RECIPIENT</u>	<u>TITLE/DESCRIPTION</u>	<u>PAGES</u>
78	02/28/95	Tierney, M., U.S. EPA	Imse, J., ERM-North Central, Inc.	Letter re: U.S. EPA's Response to ERM's February 24, 1995 Letter Concerning Revisions to the Feasi- bility Study for the Lenz Oil Site	3
79	03/15/95	MAI	U.S. EPA	Report: <i>Risk Assessment of the Lenz Oil Site</i>	22
80	03/22/95	Imse, J., ERM-North Central, Inc.	Tierney, M., U.S. EPA	Cover Letter Forwarding (1) Revision 1 to the <i>Feasibility Study Report</i> and (2) Revision 1 to <i>Technical Memorandum #4</i> for the Lenz Oil Site	2
81	06/14/95	Tierney, M., U.S. EPA	Imse, J., ERM-North Central, Inc.	Letter re: Submittal Date for U.S. EPA's Comments on Revision #2 to the Feasibility Study Report for the Lenz Oil Site	1
82	07/00/95	U.S. EPA/ ORD/OSWER	U.S. EPA	U.S. EPA Ground Water Issue: <i>Light Nonaqueous Phase Liquids</i> (EPA/540/ S-95/500)	29
83	01/00/96	TerraTherm Environmental Services, Inc.		Project Description of Superfund Site in Glens Falls, NY	1
84	04/00/96	U.S. EPA/ OSWER	U.S. EPA	Quick Reference Fact Sheet: " <i>Engineering Forum Issue Paper: Soil Vapor Extraction Implementation Experiences</i> " (Publication 9200.5-224FS; EPA 540/ F-95/031; PB95-963315)	11
85	07/16/96	Tierney, M., U.S. EPA	Bielawski, A.; Sidley & Austin	Cover Letter Forwarding U.S. EPA's General Comments on the March 1995 <i>Feasibility Study</i> Report for the Lenz Oil Site	1

<u>NO.</u>	<u>DATE</u>	<u>AUTHOR</u>	<u>RECIPIENT</u>	<u>TITLE/DESCRIPTION</u>	<u>PAGES</u>
86	08/05/96	Tierney, M., U.S. EPA	Bielawski, A.; Sidley & Austin	Letter re: Listed Waste Issue at the Lenz Oil Site	2
87	08/06/96	Tierney, M., U.S. EPA	Bielawski, A.; Sidley & Austin	Letter re: Submittal Schedule for <i>Feasibility</i> <i>Study Deliverables</i> for the Lenz Oil Site	2
88	08/07/96	Bielawski, A.; Sidley & Austin	Tierney, M., U.S. EPA	Letter Forwarding the Attached (1) Revised Table of Remedial Alter- natives and (2) Revised Table of Remedial Action Objectives for the Lenz Oil Site	5
89	08/11/96	Tierney, M., U.S. EPA	Bielawski, A.; Sidley & Austin	Letter re: U.S. EPA/ IEPA's Approval w/ Modi- fications of the Remedial Alternatives Outline for the Lenz Oil Site	1
90	08/22/96	Tierney, M., U.S. EPA	Bielawski, A.; Sidley & Austin	Letter re: U.S. EPA/ IEPA's Modifications for the Proposed Remedial Action Objectives for the Lenz Oil Site	2
91	08/22/96	Tierney, M., U.S. EPA	Bielawski, A.; Sidley & Austin	Letter re: Impact of RCRA and TSCA on Remedial Alternatives at the Lenz Oil Site	7
92	09/03/96	Tierney, M., U.S. EPA	Bielawski, A.; Sidley & Austin	Letter re: U.S. EPA/ IEPA's Comments on the March 1995 Revised <i>Feasibility Study</i> for the Lenz Oil Site	151
93	09/06/96	Tierney, M., U.S. EPA	Bielawski, A.; Sidley & Austin	Letter re: RCRA and TSCA Issues at the Lenz Oil Site	8
94	09/06/96	Tierney, M., U.S. EPA	Bielawski, A.; Sidley & Austin	Letter re: Submittal Schedule for <i>Feasibility</i> <i>Study Deliverables</i> for the Lenz Oil Site	2

<u>NO.</u>	<u>DATE</u>	<u>AUTHOR</u>	<u>RECIPIENT</u>	<u>TITLE/DESCRIPTION</u>	<u>PAGES</u>
95	09/20/96	Millano, E., ERM-North Central, Inc.	Tierney, M., U.S. EPA	Cover Letter Forwarding the Remedial Investigation Report for the Lenz Oil Site	1
96	10/00/96	TerraTherm Environmental Services, Inc.		Journal Article: Field Demonstration of a Full- Scale In Situ Thermal Desorption System for the Remediation of Soil Containing PCB's and Other Hydrocarbons (Haz- Waste World/Superfund XVII: October 1996)	6
97	10/31/96	Bielawski, A.; Sidley & Austin	Tierney, M., U.S. EPA	Letter re: U.S. EPA's Review of the Draft Feasibility Study for the Lenz Oil Site	2
98	11/06/96	Bielawski, A.; Sidley & Austin	Tierney, M., U.S. EPA	Letter re: Revised Schedule for Submission and Review of the Feasi- bility Study for the Lenz Oil Site	1
99	11/14/96	Millano, E., ERM-North Central, Inc.	Willman, J., IEPA	Letter re; Soil and Sediment Inorganic Phase I Data for the Lenz Oil Site	2
100	11/19/96	Millano, E., ERM-North Central, Inc.	Tierney, M., U.S. EPA	Cover Letter Forwarding Revision 2 of the Feasi- bility Study for the Lenz Oil Site	1
101	12/00/96	Terratherm Environmental Services Inc.		Terratherm BackGround Article: "Facts About In Situ Thermal Desorp- tion"	4
102	01/00/97	Conestoga- Rovers & Associates	U.S. EPA	Excerpts from the Final Design Report: Lagoon Closure Removal Action for the Commercial Oil (OH) Services Site	8

<u>NO.</u>	<u>DATE</u>	<u>AUTHOR</u>	<u>RECIPIENT</u>	<u>TITLE/DESCRIPTION</u>	<u>PAGES</u>
103	01/00/97	U.S. EPA/ OSWER	U.S. EPA	Quick Reference Fact Sheet: "Engineering Forum Issue Paper: Thermal Desorption Implementation Issues" (Publication 9200.5-224FS; EPA 540/F-95/031; PB95-963315)	8
104	01/09/97	Bielawski, A.; Sidley & Austin	Tierney, M., U.S. EPA	Letter re: Submission of U.S. EPA/IEPA Comments and the Final Feasibility Study for the Lenz Oil Site	1
105	02/00/97	Hanke, J.,		Journal Article: In-Situ Thermal Desorption (EI Digest: February 1997)	8
106	02/11/97	Tierney, M., U.S. EPA	Bielawski, A.; Sidley & Austin	Letter re: Revised Submittal Schedule for the Revised Feasibility Study for the Lenz Oil Site	1
107	04/16/97	Sound Environmental Services, Inc.	Ohio EPA/ City of Toledo	Report: Stabilization System Air Treatment Information Package for the Commercial Oil Services Site	24
108	05/00/97	Soil & Groundwater Cleanup		Journal Article: Throwing A Blanket Over The Problem	5
109	08/25/97	Frehner, R., Conestoga- Rovers & Associates	Tierney, M., U.S. EPA; et al.	Memorandum Forwarding Attached Drawings re: (1) Four Boreholes and Three Piezometers on IDOT Property and (2) Six Boreholes and Three Piezometers on the Tameling Property	3
110	08/29/97	Frehner, R., Conestoga- Rovers & Associates	Tierney, M., U.S. EPA	Letter re: Work Plan for the Supplemental LNAPL Investigation at the Lenz Oil Site	9

<u>NO.</u>	<u>DATE</u>	<u>AUTHOR</u>	<u>RECIPIENT</u>	<u>TITLE/DESCRIPTION</u>	<u>PAGES</u>
111	10/00/97	Conestoga-Rovers & Associates	U.S. EPA	Supplemental LNAPL Investigation Report for the Lenz Oil Site	154
112	11/06/97	Frehner, R., Conestoga-Rovers & Associates	Willman, G., IEPA	Letter Forwarding Attached Technical Papers on the VER Technology	62
113	11/24/97	Bielawski, A., Sidley & Austin	Hersh, S., U.S. EPA	Letter re: Comments of the Lenz Oil PRP Group for Consideration by the National Remedy Review Board Concerning the Lenz Oil Site	10
114	01/13/98	Means, B., U.S. EPA/ National Remedy Review Board	Muno, W., U.S. EPA	Memorandum re: NRRB's Recommendations on the Lenz Oil Site	3
115	01/14/98	Means, B., U.S. EPA/ National Remedy Review Board	Muno, W., U.S. EPA	Memorandum re: NRRB's Review of the Lenz Oil Site	1
116	02/00/98	Chevalier, L., ASCE		Journal Article: <i>Experimental and Numerical Evaluation of LNAPL Lens and Polluted Capillary Fringe Thickness</i> (Journal of Environmental Engineering: February 1998)	6
117	02/00/98	U.S. EPA/ OSWER	U.S. EPA	Newsletter: U.S. EPA Tech Trends (Issue No.28 Highlighting In Situ Remediation Technologies Using Various Forms of Electro-kinetics and Electro-heating (EPA 542-N-98-003)	4
118	03/03/98	Tierney, M., U.S. EPA	Willman, J., IEPA	Cover Letter re: Request for IEPA Review of the Draft Proposed Plan for the Lenz Oil Site	2

<u>NO.</u>	<u>DATE</u>	<u>AUTHOR</u>	<u>RECIPIENT</u>	<u>TITLE/DESCRIPTION</u>	<u>PAGES</u>
119	06/17/98	Tierney, M., U.S. EPA	Willman, G., IEPA	Letter re: Request for IEPA Concurrence on the <i>Proposed Plan</i> for the Lenz Oil Site	2
120	07/29/98	Lemont Reporter	Public  Cleanup Remedy and August 17, 1998 Public Meeting and July 30-August 28, 1998 Public Comment Period for the Lenz Oil Site	Public Notice Announcing U.S. EPA's Proposed Final August 17, 1998 Public Meeting and Public Comment Period for the Lenz Oil Site	1
121	07/29/98	Illinois Department of Public Health/ ATSDR	U.S. EPA	Public Health Assessment for the Lenz Oil Site	69
122	08/00/98	Concerned Citizens	U.S. EPA	Seven Public Comment Letter Received August 1998 Concerning the Recommended Cleanup Plan for the Lenz Oil Site	8
123	08/24/98	Wright Reporting, Inc.	U.S. EPA	Transcript of the August 17, 1998 Proposed Plan Public Meeting re: the Lenz Oil Site	54
124	09/02/98	Reporter- <i>Progress</i> (Lemont, IL)	Public	Public Notice Announcing the Extension of the Public Comment Period for the Final Cleanup Remedy for the Lenz Oil Site (September 2-4, 1998)	1
125	09/09/98	Kwasneski, R., Village of Lemont & G. Bergmark, Lemont Environmental Advisory Committee	Blum, G., U.S. EPA	Letter re: Village of Lemont's Comments on the <i>Proposed Cleanup</i> Plan for the Lenz Oil Site	2

<u>NO.</u>	<u>DATE</u>	<u>AUTHOR</u>	<u>RECIPIENT</u>	<u>TITLE/DESCRIPTION</u>	<u>PAGES</u>
126	09/14/98	U.S. Army Corps of Engineers/ Omaha	U.S. EPA	Tri-Service Cost Engin- eering System Report for the Lenz Oil Site Thermal Desorption	6
127	09/16/98	Bielawski, A., Sidley & Austin	Blum, G., U.S. EPA	Letter re: Participating Companies' Comments on the <i>Proposed Plan</i> for the Lenz Oil Site	7
128	09/16/98	Bielawski, A., Sidley & Austin	Blum, G., U.S. EPA	Letter re: Participating Companies' Comments on the Description and Characterization of Light, Nonaqueous Phase Liquid (LNAPL) Contamin- ation at the Lenz Oil Site	3
129	09/16/98	Jawor, J.; The Jawor Law Firm, P.C.	Blum, G., U.S. EPA	Letter re: RAI, Inc.'s Comments on the <i>Proposed Plan</i> for Cleanup at the Lenz Oil Site	7
130	09/21/98	Tierney, M., U.S. EPA	Bielawski, A.; Sidley & Austin	Letter re: U.S. EPA's Acceptance of the Feasi- bility Study and Related Submittals for the Lenz Oil Site	
131	09/23/98	Willman, G., IEPA	Tierney, M., U.S. EPA	Letter Forwarding Excerpts from <i>Modifica- tion to RCRA Closure Plan and Basis of Design Report</i> for the Modern Plating Corporation Site	23
132	00/00/00	U.S. EPA	U.S. EPA/ National Remedy Review Board	Memorandum: Response to NRRB Concerning the Lenz Oil Site ( <b>PENDING</b> )	
133	00/00/00	IEPA	U.S. EPA	Letter re: the Lenz Oil Site ( <b>PENDING</b> )	
134	09/30/99	U.S. EPA	Public	<i>Record of Decision</i> for the Lenz Oil Site	125



GUIDANCE ADDENDUM

THE FOLLOWING DOCUMENTS HAVE NOT BEEN COPIED  
FOR PHYSICAL INCLUSION INTO THE ADMINISTRATIVE RECORD

DOCUMENTS MAY BE VIEWED AT  
U.S. EPA REGION 5

Lenz Oil AR  
Update #4  
Page 17

<u>NO.</u>	<u>DATE</u>	<u>AUTHOR</u>	<u>RECIPIENT</u>	<u>TITLE/DESCRIPTION</u>	<u>PAGES</u>
135	12/00/89	U.S. EPA/ OERR	U.S. EPA	Risk Assessment Guidance for Superfund: Volume 1, Human Health Evaluation Manual, (Part A) [Interim Final] (EPA/540/1-89/002)	
136	12/13/89	U.S. EPA/ OERR	U.S. EPA	Risk Assessment Guidance for Superfund: Volume 1, Development of Risk-Based Preliminary Remediation Goals, (Part B) (OSWER Directive 9285.7-01B)	
137	12/13/89	U.S. EPA/ OERR	U.S. EPA	Risk Assessment Guidance for Superfund: Volume 1, Risk Evaluation of Remedial Alternatives, (Part C) (OSWER Direc- tive 9285.7-01C)	
138	10/00/90	U.S. EPA/ OSWER	U.S. EPA	Guidance for Data Use- ability in Risk Assess- ment (OSWER Directive 9285.7-05)	
139	03/25/91	U.S. EPA/ OERR	U.S. EPA	Risk Assessment Guidance for Superfund: Volume 1, Human Health Evaluation Manual Supplemental Guidance, "Standard Default Exposure Factors" [Interim Final] (OSWER Directive 9285.6-03)	

<u>NO.</u>	<u>DATE</u>	<u>AUTHOR</u>	<u>RECIPIENT</u>	<u>TITLE/DESCRIPTION</u>	<u>PAGES</u>
140	05/00/92	U.S. EPA/ OSWER	U.S. EPA	Intermittent Bulletin (Vol. 1, No. 1): Supp- lemental Guidance to RAGS: Calculating the Concentration Term (OSWER Directive 9285. 7-08)	
141	09/00/98	U.S. EPA/ OSWER	U.S. EPA	OSWER Directive Class- ification Numbering System (HIGHLIGHTED DOCUMENTS ARE INCOR- PORATED BY REFERENCE INTO THE ADMINISTRATIVE RECORD)	61